

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A display system including a pointing device provided with motional information detecting means for detecting motional information including a motional direction and a movement amount of a pointing position in a first direction and in a second direction that crosses the first direction and a display device provided with motional information acquiring means for acquiring the motional information from the pointing device and a controller that controls so that a display position is moved based upon the acquired motional information, comprising:

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to a motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

2. (Previously Presented) A display system according to Claim 1, further comprising:

means for executing control for converting leading-in areas so that the leading-in areas in a direction in the last input are increased in a process for determining the next or subsequent motional direction.

3. (Previously Presented) A display device in a display system according to Claim 1 or 2, further comprising:

movement amount monitoring means for monitoring a movement amount of the pointing position while it is determined that a motional direction is either of the first direction or the second direction; and

control means for executing control for converting leading-in areas in a direction in the last input in a process for determining the next or subsequent motional direction in case increase/decrease equal to or larger than a certain value is detected in relation to the component in the first direction or the component in the second direction as the movement amount of the pointing position.

4. (Previously Presented) A display device according to Claim 3, wherein:

the control means is means for executing control for converting leading-in areas so that leading-in areas in a direction in which a component increases are increased.

5. (Currently Amended) A display device according to Claim 3 or 4 in a display system, comprising:

movement amount monitoring means for monitoring a movement amount of the pointing position while either the first direction or the second direction is determined as a motional direction; and

means for judging that a movement input is provided only in a direction that crosses a determined direction in case the absolute value of a motional component in the determined direction decreases by fixed width and a motional component in the direction that crosses the determined direction is detected.

6. (Previously Presented) A display device related to a pointing device provided with motional information detecting means for detecting motional information including a motional direction and a movement amount of a pointing position in a first direction and in a second direction that crosses the first direction in relation to the pointing position, comprising:

motional information acquiring means for acquiring the motional information from the pointing device;

a controller that controls based upon the acquired motional information so that a display position is moved; and

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to the motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

7. (Previously Presented) A display device according to Claim 6, further comprising:

means for converting leading-in areas so that the leading-in areas in a direction in the last input are increased in a process for determining the next or subsequent motional direction.

8. (Previously Presented) A pointing device provided with motional information detecting means for detecting motional information including a motional direction and a movement amount of a pointing position in a first direction and in a second direction that crosses the first direction in relation to the pointing position and related to a display device for presentation, comprising:

motional information acquiring means for acquiring the motional information from the pointing device;

a controller that controls based upon the acquired motional information so that a display position is moved; and

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to a motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

9. (Previously Presented) A display system including a pointing device provided with motional information detecting means for detecting the angular velocity information of a pointing position in a first direction and in a second direction that crosses the first direction and a display device provided with motional information acquiring means for acquiring the motional information from the pointing device and a controller that controls based upon the acquired motional information so that a display position is moved, comprising:

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to a motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

10. (Previously Presented) A display system according to Claim 9, further comprising:

control means for executing control for converting leading-in areas so that the leading-in areas in a direction in the last input are increased in a process for determining the next or subsequent motional direction.

11. (Previously Presented) A display device in a display system according to Claim 9 or 10, wherein:

the motional information detecting means is further provided with movement amount monitoring means for also monitoring a movement amount of the pointing position while it is determined that a motional direction is either the first direction or the second direction; and

control means for executing control for converting leading-in areas in a direction in the last input in a process for determining the next or subsequent motional direction in case increase/decrease equal to or larger than a certain value related to a component in the first direction or a component in the second direction in relation to a movement amount of the pointing position is detected is provided.

12. (Previously Presented) A display device according to Claim 11, wherein:

the control means is control means for executing control for converting leading-in areas so that the leading-in areas in a direction whose component increases are increased.

13. (Currently Amended) A display device according to ~~any of Claims 10 to 12~~ Claim 10, comprising:

movement amount monitoring means for also monitoring a movement amount of the pointing position while it is determined that a motional direction is either the first direction or the second direction; and

means for judging that a movement input is provided only in a direction that crosses a determined direction in case the absolute value of a component of the determined direction decreases by fixed width and a component of the direction that crosses the determined direction is detected.

14. (Previously Presented) A display device for presentation formed by a pointing device provided with means for detecting angular velocity in a horizontal direction and in a vertical direction and means for transmitting the detected angular velocity information and a display device provided with receiving means for receiving the angular velocity information transmitted from the pointing device and a function for moving an image such as a cursor and a point displayed on a screen according to a movement amount acquired by sampling the received angular velocity information, comprising:

means for comparing a component in a horizontal direction (the x-axis component) of the movement amount first acquired after the pointing device is reset and a component in a vertical direction (the y-axis component), judging that a movement input is provided only in the horizontal direction in case the absolute value of the x-axis component is larger than the absolute value of the y-axis component and judging that a movement input is provided only in the vertical direction in case the absolute value of the y-axis component is larger than the absolute value of the x-axis component;

means for judging that a movement input is continuously provided only in the horizontal direction in case the coordinates of a movement amount input next or subsequently after the movement input is provided only in the horizontal direction are located in leading-in areas encircled by straight lines $y = ax$ and $y = -ax$ ($a > 1$) having the x-axis between them and judging that a movement input is provided only in the vertical direction in case the coordinates are located outside the above-mentioned areas; and

means for judging that a movement input is continuously provided only in the vertical direction in case the coordinates of a movement amount input next or subsequently after the movement input is provided only in the vertical direction are located in leading-in areas encircled by straight lines $y = x/a$ and $y = -x/a$ having the y-axis between them and judging that a movement input is provided only in the horizontal direction in case the coordinates are located outside the above-mentioned areas.